APPENDIX A

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	5

Complete if Known	
Application Number	09/502,133-Conf. #4787
Filing Date	February 11, 2000
First Named Inventor	Harold E. HELSON
Art Unit	2128
Examiner Name	H. M. Jones
Attorney Docket Number	0103544.00131US2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-5,854,992	12-29-1998	Shakhnovich et al.	
	AB*	US-5,940,807	08-17-1999	Purcell	
	AC*	US-6,081,789	06-27-2000	Purcell	
	AD*	US-6,119,104	09-12-2000	Brumbelow et al.	
	AE*	US-6,311,134	10-30-2001	Sorenson	
	AF*	US-6,582,233	06-24-2003	Clark	
	AG*	US-6,665,685	12-16-2003	Bialic	
	AH*	US-6,678,577	01-13-2004	Stylli et al.	
	AI*	US-7,054,754	05-30-2006	Brecher	
	AJ*	US-7,295,931	11-13-2007	Helson	
	AK*	US-7,356,419	04-08-2008	Culot et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]

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	CA	BALASUBRAMANIAN, K.J., "Computer Perception of Molecular Symmetry", *J. Chem. Inf. Comput. Sci.*, Vol. 35, pp. 761-770, 1995	
	CB	BALDUCCI, R. et al., "Efficient Exact Solution of the Ring Perception Problem", *J. Chem. Inf. Comut. Sci.*, Vol. 34, pp. 822-831, 1994	
	CC	BAUER, J. et al., "IGOR and RAIN - The First Mathematically Based Multi-Purpose Problem-Solving Computer Programs for Chemistry and Their Use as Generators of Constitutional Formulas", *Informal Commun. Math. Chem. (MATCH)*, No. 27, pp. 31-47, 1992	
	CD	BAYADA, D.M. et al., "An Algorithm for the Multiple Common Subgraph Problem", *J. Chem. Inf. Comput. Sci.*, Vol. 32, pp. 680-685, 1992	
	CE	BENECKE, C. et al., "MOLGEN, a generator of connectivity isomers and stereoisomers for molecular structure elucidation", *Anal. Chim. Acta*, Vol. 314, pp. 141-147, 1995	
	CF	BERTRAND, A. et al., "DESMOL: a Subroutine for the Generation of Molecular Structures with Stereochemical Information from Connectivity Data", *J. Chem. Res. (S)*, p. 158, 1994	
	CG	BLEY, K. et al., "Constitutional Formulae generated from Connectivity Information: the Program MDRAW", *J. Chem. Res. (S)*, p. 261 1991	
	CH	CARHART, R.E., "A Model-Based Approach to the Teletype Printing of Chemical Structures", *J. Chem. Inf. Comput. Sci.*, Vol. 16, No. 2, pp. 82-88, 1976	
	CI	ChemDraw Chemical Structure Drawing Standard, *User's Guide*, CS Chem3D 4.0 for Windows and MacIntosh, CambridgeSoft Corporation, 1986-1997	
	CJ	DALBY, J. et al., "Description of Several Chemical Structure File Formats Used by Computer Programs Developced at Molecuar Design Limited", *J. Chem. Inf. Comput. Sci.*, Vol. 32, pp. 244-255, 1992	

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	CK	DITTMAR, P.G. et al., "An Algorithmic Computer Graphics Program for Generating Chemical Structure Diagrams", *J. Chem. Inf. Comput. Sci.*, Vol. 17, No. 3, pp. 186-192, 1977	
	CL	DOWNS, G.M. et al., "Review of Ring Perception Algorithms for Chemical Graphs", *J. Chem. Inf. Comput. Sci.*, Vol. 29, pp. 172-187, 1989	
	CM	FIGUERAS, J. et al., "Automorphism and Equivalence Classes", *J. Chem. Inf. Comput. Sci.*, Vol. 32, pp. 153-157, 1992	
	CN	FIGUERAS, J., "Ring Perception Using Breadth-First Search", *J. Chem. Inf. Comput. Sci.*, Vol. 36, p. 986-991, 1996	
	CO	FREREJACQUE, M., "No. 108 - Condensation d'une molecule organique", *Bull. Soc. Chim. Fr., (Memoires)*, Vol. 5, pp. 1008-1011, 1939	
	CP	GOTHE, S.A. et al., "Computer-Assisted Mechanistic Evaluation of Organic Reactions. 22. The Generation and Use of Three-Dimensional Structures", *J. Org. Chem.*, Vol. 58, pp. 5081-5094, 1993	
	CQ	HELSON, "Structure Diagram Generation", *Reviews in Computational Chemistry*, Vol. 13, Ch. 6, pp. 313-398, 1999	
	CR	JUDSON, R., "Genetic Algorithms and Their Use in Chemistry", *Reviews of Computational Chemistry*, Ch. 1, Vol. 10, pp. 1-73, 1997	
	CS	LIETH, C.v.d. et al., "RINGS - a general program to build ring systems", *J. Mol. Graphics*, Vol. 2, pp. 117-123, 1984	
	CT	MOLCHANOVA, M.S. et al., "Computer Generation of Molecular Structures by the SMOG Program", *J. Chem. Inf. Comput. Sci.*, Vol. 36, pp. 888-899, 1996	

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	CU	RAYNER, J.D. et al., "A Concise Connection Table Based on Systematic Nomenclatural Terms", *J. Mol. Graphics,* Vol. 1, pp. 108-111, 1983	
	CV	RUSINKO, A. et al., "Using CONCORD to Construct a Large Database of Three-Dimensional Coordinates from Connection Tables", *J. Chem. Inf. Comput. Sci.,* Vol. 29, p. 251-255, 1989	
	CW	SADOWSKI, J. et al., "Comparison of Automatic Three-Dimensional Model Builders Using 639 X-ray Structures", *J. Chem. Inf. Comput. Sci.,* Vol. 34, p. 1000-1008, 1995	
	CX	SHELLEY, C.A., "Heuristic Approach for Displaying Chemical Structures", *J. Chem. Inf. Comput. Sci.,* Vol. 23, pp. 61-65, 1983	
	CY	SHMUELI, U., "Simple and efficient approach to preparation of molecular drawings", *J. Mol. Graphics,* Vol. 2, pp. 111-112, 1984	
	CZ	THOMSON, L.G. et al., "Organic Search and Display Using a Connectivity Matrix Derived from Wiswesser Notation", *J. Chem. Doc.,* Vol. 7, pp. 204-209, November 1967	
	CA1	WEININGER, D., "SMILES, a Chemical Language and Information System. 1. Introduction to Methodology and Encoding Rules", *J. Chem. Inf. Comput. Sci.,* Vol. 28, pp. 31-36,1988	
	CB1	WEININGER, D., "Smiles. 3. Depict. Graphical Depiction of Chemical Structures", *J. Chem. Inf. Comput. Sci.,* Vol. 30, pp. 237-243, 1990	
	CC1	WIPKE, T., "AIMB: Analogy and Intelligence in Model Building. System Description and Performance Characteristics", *Computer Representation and Manipulation of Chemical Information,* pp. 147-174, Wipke et al. editors, Krieger, NY, 1981	
	CD1	WIPKE, W. T. et al., "Computer-Assisted Three-Dimensional Synthetic Analysis", *Tet. Comput. Method.,* Vol. 1, pp. 147-174, 1988	

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	CE1	ZIMMERMAN, B.L., Thesis, University of Pennsylvania, 1971	
	CF1	ZIPPLE, M. et al., "Spektren - A Computer System for the Identification and Structure Elucidation of Organic Compounds", *Anal. Chim Acta*, Vol. 140, pp. 123-142, 1982	

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